

Chi Mei Polylac® PA-756S ABS - High Flow

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

Super high flow, medium impact

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chi-Mei-Polylac-PA-756S-ABS-High-Flow.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Melt Flow	70 g/10 min	70 g/10 min	Melt Volume Rate (ml/10 min); ISO 1133
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	104 MPa	15100 psi	H358/30; ISO 2039-1
Tensile Strength at Break	33.0 MPa	4790 psi	50 mm/min; ISO 527
Tensile Strength, Yield	41.0 MPa	5950 psi	50 mm/min; ISO 527
Elongation at Break	20 %	20 %	50 mm/min; ISO 527
Flexural Strength	61.0 MPa	8850 psi	2 mm/min; ISO 178
Flexural Modulus	2.00 GPa	290 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	ISO 180/1C
Charpy Impact Unnotched	NB	NB	ISO 179
Charpy Impact, Notched	1.70 J/cm ²	8.09 ft-lb/in ²	ISO 179
Impact	12.0	12.0	Impact Flexural Test Notched (KJ/m ²)
	NB	NB	Impact Flexural Test Unnotched (KJ/m ²)

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	89.0 °C	192 °F	unannealed; ISO 75
	97.0 °C	207 °F	annealed; ISO 75
Vicat Softening Point	95.0 °C	203 °F	50°C/hr; ISO 306

Thermal Properties	@Load 5.00 kg Metric	@Load 11.0 lb English	Comments
	96.0 °C	205 °F	120°C/hr; ISO 306
	@Load 5.00 kg	@Load 11.0 lb	
	102 °C	216 °F	50°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
	104 °C	219 °F	120°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
Flammability, UL94	HB	HB	UL 94
	@Thickness 1.59 mm	@Thickness 0.0625 in	

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